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(FILE 'HOME' ENTERED AT 09:35:52 ON 04 MAR 2005)

FILE 'STNGUIDE' ENTERED AT 09:35:58 ON 04 MAR 2005

FILE 'REGISTRY' ENTERED AT 09:36:11 ON 04 MAR 2005

L1 1 S NOOTKATONE/CN  
L2 3 S NOOTKATONE/CN OR CREDENE OR ZIZANOL/CN OR BICYCLOVETIVENOL/CN  
L3 31 S NOOTKATONE/CN OR CEDRENE OR ZIZANOL/CN OR BICYCLOVETIVENOL/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 09:37:33 ON 04 MAR 2005

L4 1863 S NOOTKATONE OR CEDRENE OR ZIZANOL OR BICYCLOVETIVENOL  
L5 4310 S (CONTROL? OR KILL? OR REPEL?) (2A) (TICK? OR COCKROACH? OR CO  
L6 7 S L4 (P) L5  
L7 1 S TOPICAL? (3A) L4  
L8 68196 S (APPL? OR TREAT? OR CONTACT?) (2A) (SKIN OR EPIDERM? OR DERMA  
L9 2 S L8 (P) L4

FILE 'REGISTRY' ENTERED AT 10:10:15 ON 04 MAR 2005

L10 1 S ZIZANOL/CN  
L11 1 S BICYCLOVETIVENOL/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 10:10:54 ON 04 MAR 2005

L12 23 S ZIZANOL OR L10  
L13 21 S BICYCLOVETIVENOL OR L11  
L14 9 S L12 AND L13  
L15 7 S (COMPOSITION OR FORMULATION) (3A) L14  
L16 2 S L14 NOT L15  
L17 14 S L12 NOT L14  
L18 14 S L12 NOT L14  
L19 12 S L13 NOT L14  
L20 12 S L19 NOT L17

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L15 ANSWER 3 OF 7 CAPIUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 1989:44730 CAPIUS  
DOCUMENT NUMBER: 110:44730  
TITLE: GC-MS and GC-MS-MS analysis of a complex essential oil  
AUTHOR(S): Cazaussus, Annie; Pes, R.; Sellier, Nicole; Tabet, J. C.  
CORPORATE SOURCE: Lab. Spectrometrie Masse, CERCOA, Paris, F-75231/05, Fr.  
SOURCE: Chromatographia (1988), 25(10), 865-9  
CODEN: CHRGB7; ISSN: 0009-5893  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The alc. portion of a vetiver oil, the gas chromatogram (GC) of which shows more than 100 components, was analyzed by combined GC-mass spectrometry (MS) with different ionization methods. The specificity of the method was improved by using combined GC-tandem MS in the collision-activated-dissociation mode. The vapor components were identified as  $\beta$ -vetivenene, khusimone, zizanal, **zizanol**, **bicyclovetivenol**,  $\beta$ -vetivone, and  $\alpha$ -vetivone.  
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ST vetiver oil **compn**; sesquiterpene vetiver oil  
IT Oils, essential  
RL: PRP (Properties)  
(**compn.** of, gas chromatog.-mass spectrometry of)  
IT Oils, essential  
RL: PRP (Properties)  
(vetiver, **compn.** of, gas chromatog.-mass spectrometry of)  
IT 5957-31-3, **Bicyclovetivenol** 15764-04-2,  
 $\alpha$ -Vetivone 18444-79-6,  $\beta$ -Vetivone 27840-40-0,  
 $\beta$ -Vetivenene 28102-79-6 30557-76-7, Khusimone  
82509-29-3, Zizanal  
RL: BIOL (Biological study)  
(of vetiver oil, gas chromatog.-mass spectrometry of)

L6 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1997:447331 CAPLUS

DOCUMENT NUMBER: 127:77365

TITLE: Acaricides containing phenyl isothiocyanate

INVENTOR(S): Ishida, Hirohiko; Izumi, Tasuku

PATENT ASSIGNEE(S): Kao Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|-------------|------|----------|-----------------|----------|
| JP 09157116 | A2   | 19970617 | JP 1995-346872  | 19951212 |
|             |      |          | JP 1995-346872  | 19951212 |

PRIORITY APPLN. INFO.:

AB The acaricides contain Ph isothiocyanate (I) and optionally perfumes selected from (A) sesquiterpenes, (B) essential oils containing sesquiterpenes, (C) alicyclic compds., and (D) aromatic compds. as pungent odor-masking components. I was mixed with a perfume composition containing **cedrene** 40, cedarwood oil 10, vetiverol 5, caryophyllene 5, and hinoki oil 35 parts at a weight ratio of 1:19 to give an acaricide, which was placed in a container (at 250 mg/50 g culture media) to show 100% **control of ticks** after 4 wk at 22-25° and relative humidity 75-85%. A flooring material was sprayed with the acaricide and left at room temperature for 3 days to show no pungent odor. Formulation examples are given.

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L6 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 1996:400558 CAPLUS  
DOCUMENT NUMBER: 125:51527  
TITLE: Cockroach repellents containing sesquiterpenes  
INVENTOR(S): Harima, Shoichi; Komai, Koichiro; Myake, Takayasu  
PATENT ASSIGNEE(S): Tokiwa Kanpo Pharma, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.             | KIND  | DATE     | APPLICATION NO. | DATE     |
|------------------------|---|----------|-----------------|----------|
| JP 08081306            | A2  | 19960326 | JP 1994-217066  | 19940912 |
| PRIORITY APPLN. INFO.: |   |          | JP 1994-217066  | 19940912 |
| AB                     | Cockroach repellents contain (A) sesquiterpenes containing $\geq 1$ groups chosen from CMe2OH, CHMeCH2OH, CH2OH, and cyclic ketones and $\geq 1$ double bonds or (B) sesquiterpene alcs. containing 1 group chosen from CMe2OH and CHMeCH2OH and terminal methylene as active ingredients. Elemol at 1.0 g/m <sup>2</sup> showed 71-100% repellency against Blattella germanica and Periplaneta fuliginosa at 24 h after the application. |          |                 |          |
| IT                     | 473-15-4P, $\beta$ -Eudesmol 639-99-6P, Elemol 4674-50-4P, Nootkatone 15051-81-7P, 10-epi- $\gamma$ -Eudesmol 16223-63-5P, Khusimol 18444-79-6P, $\beta$ -Vetivone 28102-68-3P, Vetiselinol   |          |                 |          |
|                        | RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PUR (Purification or recovery); BIOL (Biological study); PREP (Preparation); USES (Uses)   |          |                 |          |
|                        | (cockroach repellents containing sesquiterpenes)  |          |                 |          |